



Performance Data Sheet

VSC9515ZNA

General Information

Model	VSC9515ZNA	Refrigerant	R-404A
Test Condition	ARI	Performance Test Voltage	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	Motor Type	PSC

Performance Information

Evap Temp (°F)	Condensing Temperature (°F)							
		80	90	100	110	120	130	140
20	Btu/h	21200	19600	18000	16400	14600	12800	10900
	Watts	1380	1570	1790	2030	2310	2620	2970
	Amps	6.64	7.58	8.63	9.83	11.2	12.7	14.4
	Lb/h	330	326	322	317	312	306	300
25	Btu/h	23500	21800	20000	18200	16300	14300	12300
	Watts	1370	1560	1780	2030	2310	2620	2970
	Amps	6.61	7.55	8.61	9.81	11.2	12.7	14.4
	Lb/h	366	362	357	352	347	342	336
30	Btu/h	26000	24100	22100	20100	18000	15900	13700
	Watts	1360	1550	1770	2020	2300	2620	2970
	Amps	6.55	7.49	8.56	9.76	11.1	12.6	14.3
	Lb/h	405	401	396	391	386	381	375
35	Btu/h	28600	26500	24300	22100	19900	17500	15200
	Watts	1340	1530	1760	2010	2290	2610	2960
	Amps	6.47	7.41	8.49	9.70	11.1	12.6	14.3
	Lb/h	448	443	439	434	428	423	418
40	Btu/h	31300	29000	26600	24200	21800	19300	16700
	Watts	1320	1510	1730	1990	2270	2590	2950
	Amps	6.35	7.30	8.38	9.59	11.0	12.5	14.2
	Lb/h	495	490	485	480	475	470	465
45	Btu/h	34200	31600	29000	26400	23700	21000	18200
	Watts	1280	1480	1700	1960	2240	2560	2920
	Amps	6.20	7.15	8.23	9.45	10.8	12.4	14.1
	Lb/h	546	541	536	531	526	521	516
50	Btu/h	37200	34400	31500	28700	25800	22800	19800
	Watts	1240	1440	1660	1920	2200	2530	2890
	Amps	6.00	6.96	8.04	9.27	10.7	12.2	14.0
	Lb/h	602	597	591	586	582	577	573

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.055385E+04	3.729970E+02	1.801918E+00	1.933804E+02
C2	5.147032E+02	-1.911280E-01	-9.233237E-04	6.531867E+00

C3	-8.440545E+01	1.061015E+01	5.125676E-02	6.624596E-01
C4	5.895626E+00	4.455816E-02	2.152568E-04	3.248839E-02
C5	-2.833594E+00	-2.845053E-02	-1.374422E-04	-2.955509E-02
C6	7.318894E-02	-1.381619E-02	-6.674486E-05	-5.263354E-03
C7	-8.474444E-03	-1.669637E-03	-8.065880E-06	4.068355E-04
C8	-2.883104E-02	-5.688623E-05	-2.748127E-07	4.918606E-05
C9	4.160830E-03	2.725897E-04	1.316859E-06	1.199826E-04
C10	-1.421073E-03	4.954293E-04	2.393378E-06	1.140908E-06

$$\text{Value} = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3$$

Te = Evaporator Temperature

Tc = Condensing Temperature